IN THE CLAIMS

1. (amended herein) An adenovirus comprising an inserted expression cassette comprising a gene, the expression of which is under the control of a site-specific recombinase.

2. (original) The adenovirus of claim 1 wherein said gene is comprised of foreign DNA and is operably linked to target sites of a site specific recombinase, and wherein recombination between said target sites results in expression of a gene product of said gene.

3. (amended herein) An adenovirus comprising an inserted expression cassette comprising a gene, and site-specific recombinase target sites operably linked to the gene, whereby recombination between said target sites mediated by a site-specific recombinase alters expression of a coding sequence of the gene.

4. (amended herein) An adenovirus comprising an inserted expression cassette comprising a gene, and site-specific recombinase target sites flanking a promoter sequence of said expression cassette that promotes expression of the gene, whereby recombination between said target sites mediated by a site-specific recombinase removes the promoter sequence, resulting in decreased expression of a coding sequence of the gene.

5. (original) The adenovirus of claim 4, wherein the gene is from a non-adenoviral source.

6. (amended herein) An adenovirus comprising an inserted expression cassette comprising a gene, a promoter directed away from said gene, and two site-specific recombinase target sites flanking said promoter but oriented in opposite orientation to one another, whereby recombination between said target sites mediated by a site-specific recombinase inverts the promoter sequence, resulting in increased expression of a coding sequence of the gene.

7. (original) The adenovirus of claim 6, wherein the gene is from a non-adenoviral source.

8. (amended herein) An adenovirus comprising an inserted expression cassette comprising a gene, and site-specific recombinase target sites flanking a DNA spacer sequence located between a promoter sequence of said expression cassette and a coding sequence of the gene, whereby recombination between said target sites mediated by a site-specific recombinase removes the

DNA spacer sequence, resulting in increased expression of the coding sequence of the gene.

9. (original) The adenovirus of claim 8, wherein the gene is from a non-adenoviral source.

10. (amended herein) An adenovirus comprising an inserted expression cassette comprising a gene and site-specific recombinase target sites flanking a coding sequence of [for] the gene, whereby recombination between said target sites mediated by a site-specific recombinase removes the coding sequence, resulting in decreased expression of the coding sequence of the gene.

11. (original) The adenovirus of claim 10, wherein the gene is from a non-adenoviral source.

12. (amended herein) An adenovirus comprising an inserted expression cassette comprising a gene, a portion of said [gene]expression cassette comprising a coding sequence oriented in an opposite direction to normal translation of the coding sequence of the gene, and two site-specific recombinase target sites flanking said coding sequence but oriented in opposite orientation to one another, whereby recombination between said target sites mediated by a site-specific recombinase inverts the coding sequence, resulting in increased expression of the coding sequence of the gene.

13. (original) The adenovirus of claim 12, wherein the gene is from a non-adenoviral source.

14. (original) An adenovirus comprising a gene and site-specific recombinase target sites flanking the gene, whereby recombination between said target sites mediated by site-specific recombinase removes the gene, resulting in decreased expression of the gene.

15. (original) The adenovirus of claim 14, wherein the gene is from a non-adenoviral source.

16. (amended herein) An adenovirus comprising a gene, said gene oriented in an opposite direction to normal translation of the gene, and two site-specific recombinase target sites flanking said gene but oriented in opposite orientation to one another, whereby recombination between said target sites mediated by a site-specific recombinase inverts the gene, resulting in increased expression of the coding sequence of the gene.

17. (original) The adenovirus of claim 16, wherein the gene is from a non-adenoviral source.